

# Preface

This databook (3) is a condensed summary of solar observations with the Nobeyama Radioheliograph for the period from January 1, 1998 to December 31, 2000. Previously we published the databooks (1) covering June 1992 - December 1994, and (2) covering January 1995 - December 1997. The databook (1) includes several papers describing outlines of the instrument, the data processing and handling procedure, and the imaging performance of the instrument, so the reader who needs such information are advised to refer to it.

The purpose of publishing and distributing this databook is to stimulate collaborative data analysis, especially for flares, between the Nobeyama Radio Observatory and many solar observatories in the work, either ground-based or space-borne. The period of the databook (3) covers the rising part of the solar activity cycle 23 up to its maximum. For the Nobeyama Radioheliograph, this maximum is the first one after the start of the observation. Also, many solar dedicated satellites such as Yohkoh, SoHO, and TRACE were in orbit during this period. We hope this databook can be a help for the production of many interesting results.

Sections of this databook is organized as follows :

1. Observing time and comments on the instrument and the data  
The data coverage is quite uniform with some exceptions for maintenance of the instrument and snow.
2. List of events detected by the Nobeyama Radioheliograph  
During the 36 months from 1998 to 2000, more than 2000 flare events were detected.
3. List of events recorded with high time resolution (100 ms)
4. Daily light curves of *averaged correlation amplitude* and GOES X-ray flux
5. Light curves of *averaged correlation amplitude* for selected major events
6. Comparison of light curves with temporal resolution of 100 msec and of 1 sec for a limited number of events

Due to the development of the INTERNET and computer technologies, most of the content of this data book and more data can be accessed directly from your computer. Please visit our home page (<http://solar.nro.nao.ac.jp/>) and you will find many listings and images and even movies. In case you cannot find images that you want to analyze, please send your proposals of the data analysis to shibasaki@nro.nao.ac.jp. Then you

will get the ID to connect to our machines and you can submit jobs to synthesize images remotely.

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This databook is made available from joint efforts of members at Solar Radio Observing Facilities / NRO, namely, Hiroshi Nakajima, Kiyoto Shibasaki, Takaaki Yokoyama, Masumi Shimojo, Hideaki Sekiguchi, Susumu Kawashima, Noriyuki Shinohara, Yasufumi Saito, Miwako Takamera, and Hisako Shinkai.

Noriyuki Shinohara and Kiyoto Shibasaki are responsible for finalizing this databook. Inquire about this databook should be sent to the following address.

Kiyoto Shibasaki, Director  
Nobeyama Radio Observatory  
Minamimaki, Minamisaku, Nagano 384-1305, Japan  
E-MAIL: shibasaki@nro.nao.ac.jp  
FAX: +81-267-98-2506

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